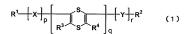
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AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the present application.

Listing of Claims:

 (Currently Amended) A charge transport organic material comprising a compound of the general formula(1) having a 1.4-dithiin ring



wherein R^1 , R^2 , R^3 and R^4 independently represent hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoric acid group, an ester group, an ester group, an anito group, an amido group, an intro group, a monovalent hydrocarbon group, an organooxy group, an organoamino group, an organosilyl group, an organothio group, an acyl group or a sulfone group, X and Y independently represent at least one member of substituted or unsubstituted, divalent conjugated units selected from aniline, thiophene, furan, pyrrole, ethynylene, vinylene, phenylene, naphthalene, anthracene, imidazole, oxazole, oxadiazole, quinoline, quinoxaline, pyridine, pyrimidine, pyrazine, phenylenevinylene, fluorene, carbazole, triarylamines, metal or metal-free phthalocyanine, and metal or metal-free porphyrin, two sulfur atoms contained in the dithiin ring may independently be in the form of an SO group or an SO₂ group, and p[[, q]] and r independently represent 0 or an integer of 1 or over, q represents an integer of 1 or over, provided that $p + q + r \le 20$ is satisfied.

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 (Original) The charge transport organic material according to claim 1, further comprising an electron accepting dopant substance or a hole accepting dopant substance.

- 3. (Original) The charge transport organic material according to claim 1 or 2, wherein p, q and r in the general formula (1) satisfies that $3 \le p + q + r \le 10$.
- (Previously Presented) A charge transport varnish comprising a charge transport organic material of claim 1 and a solvent.
- (Original) A charge transport thin film prepared by use of the charge transport varnish defined in claim 4.
- (Original) An organic electroluminescent element comprising the charge transport thin film defined in claim 5.
- (Withdrawn Currently Amended) A method for preparing a compound having a
 4-dithiin ring and represented by the formula (1) indicated hereinbelow, comprising:

the first step of reacting, in the presence of an acid catalyst, a compound of the formula (2)

$$R^1 - \left[X \right]_p H$$
 (2)

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R¹ hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group,

a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoester group, an ester

group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group or an

organooxy group, X represents at least one member of substituted or unsubstituted, divalent

conjugated units selected from aniline, thiophene, furan, pyrrole, ethynylene, vinylene,

so-jugaice and selected from annine, anophene, laran, pyrrote, emynytene, vinytene,

phenylene, naphthalene, anthracene, imidazole, oxazole, oxadiazole, quinoline, quinoxaline, pvridine, pvrimidine, pyrazine, phenylenevinylene, fluorene, carbazole, triarylamines, metal or

metal-free phthalocyanine, and metal or metal-free porphyrin, and p is an 0 or an integer of 1 or

over.

or a compound of the formula (3)

$$R^2 - H$$
 (3)

wherein R² hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoester group, an ester group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group or an organooxy group, Y represents at least one member of substituted or unsubstituted, divalent conjugated units selected from aniline, thiophene, furan, pyrrole, ethynylene, vinylene, phenylene, naphthalene, anthracene, imidazole, oxazole, oxadiazole, quinoline, quinoxaline, pyridine, pyrimidine, pyrazine, phenylenevinylene, fluorene, carbazole, triarylamines, metal or metal-free phthalocyanine, and metal or metal-free polyphyrin, and r is an 0 or an integer of 1 or over, and

an acid halide represented by the formula (4)

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wherein Hal represents a halogen atom, thereby preparing an acyl compound represented by the formula (5)

$$R^{1} - \left[X \right]_{p}^{0} CH_{2} - Hal^{2}$$
 (5)

wherein R¹, X, p and Hal, respectively, have the same meanings as defined above, or the formula
(6)

$$R^{2} - \left[Y\right]_{\Gamma}^{O} CH_{2} - Hal^{2}$$
 (6)

wherein R2, Y, r and Hal, respectively, have the same meanings as defined above;

the second step of subsequently reacting the acyl compound represented by the formula (5), the acyl compound represented by the formula (6) and an alkali metal sulfide to prepare a sulfide represented by the formula (7)

$$R^{1} - \left[-X \right]_{p}^{O} CH_{2} - S - CH_{2} - \left[-Y \right]_{r}^{C} R^{2}$$
 (7)

wherein R1, R2, X, Y, p and r, respectively, have the same meanings as defined above; and

the third step of acting a thiocarbonyl reagent on the sulfide represented by the formula

(7) for ring-closure, thereby preparing the compound of the formula (1) having a 1.4-dithiin ring

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$$R^{1} = \begin{bmatrix} X \end{bmatrix}_{p} \begin{bmatrix} S & & & \\ & & & \\ & & & \end{bmatrix}_{q} Y \end{bmatrix}_{r} R^{2}$$
 (1)

wherein R^1 , R^2 , X, Y, p and r, respectively, have the same meanings as defined above, R^3 and R^4 independently represent hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoester group, an ester group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group, an organooxy group, an organoamino group, an organosilyl group, an organothio group, an acyl group or a sulfone group, two sulfur atoms contained in the dithiin ring may independently be in the form of an SO group or an SO₂ group, and q is [[0 or]] an integer of 1 or over provided that $p + q + r \le 20$ is satisfied.

 (Withdrawn) A method for preparing an acyl compound of the formula (5) or (6) indicated hereinbelow, comprising:

reacting, in the presence of an acid catalyst, a compound of the formula (2)

$$R^1 - X \rightarrow H$$
 (2)

wherein R¹ represents hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoester group, an ester group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group or an organooxy group, X represents at least one member of substituted or unsubstituted, divalent conjugated units selected from aniline, thiophene, furan, pyrrole, ethynylene, vinylene, phenylene, naphthalene, anthracene, imidazole, oxazole,

oxadiazole, quinoline, quinoxaline, pyridine, pyrimidine, pyrazine, phenylenevinylene, fluorene, carbazole, triarylamine, metal or metal-free phthalocyanine, and metal or metal-free porphyrin, and p is 0 or an integer of 1 or over, or

the formula (3)

$$R^2 - H$$
 (3)

wherein R² represents hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoric acid group, a phosphoester group, an ester group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group or an organooxy group, Y represents at least one member of substituted or unsubstituted, divalent conjugated units selected from aniline, thiophene, furan, pyrrole, ethynylene, vinylene, phenylene, naphthalene, anthracene, imidazole, oxazole, oxadiazole, quinoline, quinoxaline, pyridine, pyrimidine, pyrazine, phenylenevinylene, fluorene, carbazole, triarylamine, metal or metal-free phthalocyanine, and metal or metal-free porphyrin, and r is 0 or an integer of 1 or over, and an acid halide of the formula (4)

$$\begin{array}{c|c} O \\ \hline \\ Hal^1 \\ \hline \\ CH_2 \\ \hline \\ Hal^2 \\ \end{array} \qquad (4)$$

wherein Hal represents a halogen atom, thereby preparing the acyl compound of either the formula (5)

$$R^{1} - \left[X \right]_{p}^{0} CH_{2} - Hai^{2}$$
 (5)

wherein R¹, X, p and Hal, respectively, have the same meanings as defined above, or the formula
(6)

$$R^{2} - \left[Y\right]_{\Gamma}^{O} CH_{2} - Hal^{2}$$
 (6)

wherein R2, X, r and Hal, respectively, have the same meanings as defined above.

- (Withdrawn) The method for preparing an acyl compound according to claim 8, wherein said acid catalyst is made of ethyl aluminium dichloride or diethyl aluminium chloride.
- 10. (Withdrawn) A method for preparing a sulfide represented by the formula (7) indicated hereinbelow, comprising reacting the acyl compound represented by the formula (5), the acyl compound represented by the formula (6), both obtained in claim 8 or 9, and an alkali metal sulfide

$$R^{1} - \left[-X \right]_{0}^{0} - CH_{2} - S - CH_{2} - \left[-Y \right]_{r}^{r} R^{2}$$
 (7)

wherein R1, R2, X, Y, p and r, respectively, have the same meanings as defined above.

11. (Withdrawn – Currently Amended) A method for preparing a compound having a 1,4-dithiin ring and represented by the formula (1) indicated hereinbelow, comprising reacting a thiocarbonylizing reagent on the sulfide obtained in claim 10

and represented by the formula (7)

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$$R^{1} = \begin{bmatrix} X \end{bmatrix}_{p} \begin{bmatrix} S \\ R^{3} \end{bmatrix}_{q} \begin{bmatrix} Y \end{bmatrix}_{r} R^{2}$$
 (1)

wherein R1, R2, X, Y, p and r, respectively, have the same meanings as defined above, and R3 and R4 independently represent hydrogen, a hydroxyl group, a halogen group, an amino group, a silanol group, a thiol group, a carboxyl group, a sulfonic acid group, a phosphoric acid group, a phosphoester group, an ester group, a thioester group, an amido group, a nitro group, a monovalent hydrocarbon group, an organoxy group, an organoamino group, an organosilyl group, an organothio group, an acyl group or a sulfone group, two sulfur atoms contained in the dithiin ring may independently be in the form of an SO group or an SO₂ group, and q is [[0 or]] an integer of 1 or over provided that $p + q + r \le 20$ is satisfied.

- 12. (Previously Presented) The charge transport organic material according to claim 1, comprising 2,6-bis(2,2'-bithiophenyl)-1,4-dithiin.
- 13. (Previously Presented) A charge transport varnish comprising a charge transport organic material of claim 12 and a solvent.
- 14. (Previously Presented) A charge transport thin film prepared by use of the charge transport varnish defined in claim 13.
- 15. (Previously Presented) An organic electroluminescent element comprising the charge transport thin film defined in claim 14.